

A decorative graphic consisting of a thin yellow circle on the left side. A thick black bracket is positioned on the left side of the circle, and a thick yellow bracket is on the right side. A horizontal bar with a light green-to-white gradient is overlaid across the middle of the circle, containing the title text.

Rapid Deployment Energy Efficiency Toolkit

NCSL Stimulus Audio Conference
April 30, 2009

Cindy Jacobs, US EPA

\$16.6B in Stimulus Funding for EE

Provision (Agency)	Dollar Amount
Energy Efficiency and Conservation Block Grants (DOE-EERE-OWIP)	\$3.2 Billion
Weatherization Assistance Program (DOE-EERE-OWIP)	\$5 Billion
State Energy Program (DOE-EERE-OWIP)	\$3.1 Billion
Smart Grid (DOE-OE)	\$4.5 Billion
ENERGY STAR Appliance Rebate Program (DOE-EERE-OWIP)	\$300 Million
Grants for EE-RE Workforce Development (Labor)	\$500 Million

[What Is the RDEE Toolkit?]

- Planning and implementation resource for states and local governments to help them deploy ARRA efficiency funding in successful, sustainable manner
- Documents proven efficiency programs with high potential for clear, measurable, and predictable energy savings and jobs
- Developed through a joint effort of the EPA and DOE, with technical input from the Leadership Group of the National Action Plan on Energy Efficiency

[RDEE Toolkit Components]

- RDEE Planning Guide
 - Released April 1 (revised as needed)
 - Key considerations for program planning and budget allocation
 - Snapshots for each program
- Complete Toolkit
 - Additional planning resources by early May
 - Implementation resources available in June – such as templates (e.g., RFP language) and training materials

Planning Guide/Toolkit Uses

1. Get plans approved per the DOE's FOA
 - Sections I-V in Guide designed to help SEO's select programs that meet FOA criteria
 - Snapshots can be used as templates for designing specific programs that meet criteria
 - Metrics
 - Assumptions
 - Required resources
 - Timelines
2. Get programs running once funding is approved (using the Complete Toolkit)
 - Example RFPs
 - Example marketing plans
 - Example contractor training modules
 - Etc. – more on this later

[Planning Guide]

- **Contents**

- **Introduction and Purpose**
- **Overview of Stimulus Package**
- **Considerations in Program Selection and Budgeting**
- **Overview of the RDEE Programs**
- **Framework for Program Selection and Budgeting**
- **Program Snapshots**

- http://www.epa.gov/cleanenergy/documents/rdee_planning_guide.pdf

Key Criteria from DOE Funds Opportunity Announcement

1. **Jobs Impact.** Funding should have a significant impact on creating new or sustaining existing jobs. The FOA emphasizes the urgency of this need by preferring programs that can be initiated prior to June 17, 2009, and that can be completed expeditiously.
2. **Collaboration/Leverage of Funds.** Commit to using funding to expand existing programs, including ratepayer-funded (utility or public-benefit fund) programs, or to create new programs, and not to supplant or replace existing funding.
3. **Significance of Savings.** States should pursue a minimum goal of reducing per capita energy consumption at least 25 percent relative to a 1990 base year, by 2012.
4. **Cost of Savings.** The SEP FOA strongly encourages state portfolios of SEP programs to achieve at least 10 million annual source Btus in savings for every \$1,000 spent.
5. **Sustainability and Market Transformation.** States are requested to focus program efforts on market transformation activities which cause lasting changes in the function of markets or behavior of participants.
6. **Governor's Assurance.** Make state regulations EE friendly.

Other Criteria Worth Considering

- Alignment with the mission and statutory authority of the state agency and previously filed SEP plans
- Availability of programs for all taxpayers and a broad based opportunity to participate in at least one program
- Special accommodations for low-income customers
- Sensitivity to competitive market operations and a desire not to create programs that compete with or provide inappropriate competitive advantage to individual market participants
- The impact on the ability to reach goals that may have been established for existing energy efficiency program providers
- Circumstances unique to your jurisdiction

RDEE Programs

Illustrative Quantitative Metrics

	Program	Average Cost per Participant	Jobs per \$1M	Per Unit Source MBtu Saved	Source Mbtu saved per \$1,000
Residential	ENERGY STAR Products	\$ 26	9	3	87
	Easy Audit and Direct Install	\$ 990	21	5	5
	HPwES	\$ 5,850	20	60	10
	Efficient Heating and Cooling	\$ 290	14	25	85
C&I	Prescriptive	\$ 3,610	9	400	110
	Custom	\$ 20,000	16	1,500	123
	Retrocommissioning	\$ 48,100	12	5,800	120
	Commerical Benchmarking and Performance	\$ 40,000	12	2,900	72
	On-Site Energy Manager	\$ 47,600	8	4,500	94
	Commerical Food Service	\$ 1,400	7	60	40

RDEE Programs

Illustrative Qualitative Metrics

Program	Applica- bility	Simplicity & Lack of Risk	Sustain- ability	Leverage
RESIDENTIAL				
ENERGY STAR Products	High	High	Moderate	High
Easy Audit and Direct Install	High	Moderate	High	Moderate
HPwES	High	Moderate	High	Moderate
Efficient Heating and Cooling	High	High	Moderate	High
NON-RESIDENTIAL				
Prescriptive	Moderate	High	Moderate	High
Custom	Moderate	Moderate	Moderate	Moderate
Retrocommissioning	Moderate	Moderate	Moderate	Moderate
Commercial Benchmarking and Performance	Moderate	Moderate	High	Moderate
On-Site Energy Manager	Low	Moderate	High	Moderate
Commercial Food Service	Moderate	Moderate	Moderate	Moderate

Information Provided in Program Snapshots

- Program summary
- Target market
- Evaluation, monitoring, and verification requirements
- Infrastructure requirements
- Training needs
- Staffing requirements
- Implementation timeline
- Energy savings
- Participation rates
- Total Budget
- Job creation estimates
- Cost-effectiveness
- Resources and assistance
- Leveraging opportunities

[Where to Find the Toolkit]

- www.epa.gov/cleanenergy
- Click on “Clean Energy Resources” on left navigation bar
- Click on “Rapid Development Energy Efficiency Toolkit” under EPA Tools

[Comments Welcomed!]

Cindy Jacobs

Jacobs.cindy@epa.gov

(202) 343-9045